Engineering and Manufacturing Development Phase

Milestone C

Milestone B

(This reflects the start of the Integrated Design effort in the TD Phase, per the standard practice to conduct a PDR before MS B)

Interpret User Needs, Refine System Performance Specs & Environmental Constraints

Trades

Develop System Functional Specs & Verification Plan To Evolve System Functional Baseline

SFR

Evolve Functional Performance Specs into CI Functional (Design to) Specs and CI Verification Plan

PDR

TD OUTPUTS

- Sys Allocated Baseline ■PDR Report ■Live-Fire T&E Waiver request (if appropriate)
- SEP ■PESHE ■TRA ■TEMP ■PPP
- Risk Assessment ■Validated Sys Support & Maint Objectives & Requirements
- NEPA Compliance Schedule (as required)
- Inputs to:

INPUTS

- System Performance Specification
- Exit Criteria for the EMD Phase
- Validation Sys Sup & Maint Objectives & Reqts
- Acquisition Program Baseline
- CDD ■SEP ■TEMP ■Information Support Plan
- Programmatic Environment, Safety, & Occupational Health Evaluation
- Product Support Strategy
- PPP ■System Threat Assessment
- Cost & Manpower Est

Evolve CI Functional Specs into Product (Build to) Documentation And Inspection Plan

CDR

Fabricate, Assemble, Code to "Build-to" Documentation

Individual CI Verification DT&E

Integrated DT&E, LFT&E, & EOAs Verify Performance Compliance to Specs

TRR

System DT&E, OT&E, OAs Verify System Functionality & Constraints Compliance To Specs

Trades

Combined DT&E/OT&E/ LFT&E Demonstrate System to Specified User Needs & Environmental Constraints

FCA

SVR

PRR

EMD OUTPUTS

- Initial Product Baseline
- Test Reports
- SEP ■PESHE ■TEMP
- Risk Assessment
- Elements of Product Support

Inputs to: CPD, Sys Threat Assessment, ISP, Cost & Manpower Est.